

## **OIL ANALYSIS REPORT**

Sample Rating Trend



## K17 FELLOWS 204001

Hydraulic System

FUCHS RENOLIN ZAF B 46 HT ZINC FREE (115 GAL)

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

Area

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

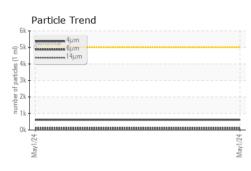
### Fluid Condition

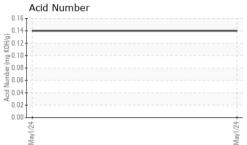
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

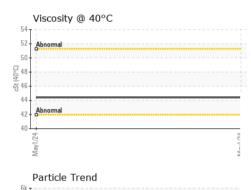
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		FCH0000071		
Sample Date		Client Info		01 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m	>10	2		
Copper	ppm	ASTM D5185m	>75	0		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		36		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		1665		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	1		
Water	%	ASTM D6304	>0.1	NEG		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	615		
Particles >6µm		ASTM D7647	>1300	112		
Particles >14µm		ASTM D7647	>160	4		
Particles >21µm		ASTM D7647	>40	2		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/14/9		
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.14		

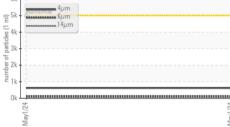


# **OIL ANALYSIS REPORT**









	VISUAL		method	limit/base	current	history1	history
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
	Precipitate	scalar	*Visual	NONE	NONE		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	NEG		
	Free Water	scalar	*Visual		NEG		
	FLUID PROPER	RTIES	method	limit/base	current	history1	history
	Visc @ 40°C	cSt	ASTM D445		44.4		
	SAMPLE IMAG	ES	method	limit/base	current	history1	history
	Color				a	no image	no imag
	Bottom					no image	no imag
	GRAPHS						
	Ferrous Alloys			401 52	Particle Count	t	
	10 8			491,520	1		
	anneae chromium			122,880	1		
				30,720	Devere		
	2 -						
	0				Abnormal		
	May1/24			(per 1 m) (per 1 m)			
	– Non-ferrous Met	ale		 - 문 480			
	10 T			of pair		S	
	8 - copper			May124			
	E 6			≅ 30			
	4					\	
			maaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa				
	, May1/24			May1/24	2		
		_		Mar	) 4μ 6μ	14µ 21µ	38µ 7
	Viscosity @ 40°(	<b>.</b>		-01	Acid Number		
	Abnormal			91.0 0.10 0.10 0.00 0.00 0.00 0.00 0.00			
	(5.0 •0+) \$\$\$ 45 -			Ê0.10	)+		
1							
	Abnormal			cid Ni			
	40 +2			0.00	) <del></del>		
	May1/24			May1/24	May1/24		
	: WearCheck USA - 5 : FCH0000071	Rece	ived : 10	6 May 2024		AIRFIELD CUSTOM ( 0 SAGAMORE	PKWY S #2
er er		Rece Teste	ived : 10 ed : 2 <sup>-</sup>		240	0 SAGAMORE	PKWY S AFAYE US



Test Package : PLANT Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

> Submitted By: Wes Davis Page 2 of 2